

# EASWARI ENGINEERING COLLEGE

(AUTONOMOUS)



**IN  
BLICK**

**DEPARTMENT OF  
CIVIL ENGINEERING**

**NEWSLETTER  
JUNE 2020**



# INTRODUCING



## THE EDITORIAL TEAM

**Mr. LENIN DHAL**  
**AP / CIVIL**

---

**Mr. MOHAMED AJMAL**  
**(IVth YEAR CIVIL)**

---

**Ms. PREETHI.S**  
**(IVth YEAR CIVIL)**

---

**Mr.KISHORE.S**  
**(IVth YEAR CIVIL)**

---

# IN BLICK

**JUNE 2020**



# VISION & MISSION

## DEPARTMENT VISION

To provide basic and advanced knowledge and skills among civil engineering students so as to meet the changing industrial and research needs to become the acknowledged leader in civil engineering.

## DEPARTMENT MISSION

**M1:** To provide education in the field of civil engineering and guide them towards technical advancement

**M2:** To impart essential skills to the students and enhance their employable potential and entrepreneurial capabilities

**M3:** To educate the student in solving problems related to interdisciplinary fields

**M4:** To nurture leadership skills with social consciousness to act professionally and ethically

Extend engineering knowledge through creative, innovative projects and research so as to promote consultancy for industrial and social needs.

**M5:** To use modern engineering tools and appropriate teaching techniques for modeling, analyzing and designing the real world problems

04.06.2020

# MICRO STRUCTURAL CHARACTERIZATION OF CONCRETE

INDIAN CONCRETE INSTITUTE (ICI) STUDENTS' CHAPTER on 4th June 2020 As a part of functioning of the department of civil engineering, the ICI Students' chapter organized a webinar on "Micro structural characterization of concrete". The webinar was conducted as scheduled on June 4, 2020 from 11:30 am to 1pm

The high spots presented by Dr. Elson John in the webinar were:

- Scanning Electron Microscopy (SEM).
- Sampling for micro structural analysis.
- Hydration stoppage.
- Techniques for water removal (oven drying, vacuum drying, freeze drying, solvent exchange).
- Storage of samples.
- Microscopy (in general), specimen preparation, preparation of loaded specimen.
- Comparison between techniques.

The poster is for a webinar titled "MICROSTRUCTURAL CHARACTERIZATION OF CONCRETE". It is organized by the Indian Concrete Institute (ICI) Student's Chapter at EASWARI ENGINEERING COLLEGE, SAMBARKAL CHENNAI. The event is free to register. The speaker is Dr. Elson John, an Associate Professor at EASWARI College of Engineering, Kottayam, Kerala. The webinar is scheduled for June 4th, 2020, from 11:30 AM to 12:30 PM. A registration link is provided: <https://bit.ly/2XMsFol>. The poster also includes social media handles for EASWARI and a note that a certificate will be provided.

# I SAVE WATER

DATE : 05.06.2020 TO  
12.06.2020

## TECHNICAL QUIZ

The poster features the EASWARI ENGINEERING COLLEGE logo at the top left, identifying it as an autonomous institution affiliated to Anna University in Ramapuram, Chennai. On the top right, it marks the 27th anniversary of the Indian Plumbing Association (IPA), with the tagline 'Redefining Plumbing Standards' and '27 Years in Service to the Nation'. The central text, presented by the Department of Civil Engineering and the IPA Student's Chapter, announces a technical quiz on 'I Save Water' for World Environment Day. A green callout box lists eligibility for school, polytechnic, and engineering students and faculty. A red starburst graphic states 'It's FREE! Register Now'. The quiz dates are from June 5th to 12th, 2020. A registration link is provided: <https://tinyurl.com/isavewater>. The poster also mentions that an e-certificate will be provided and lists the convener, Dr. S. Lavanya Prathe, and the co-ordinator, Mrs. M. Arnala. Social media handles for Facebook and Instagram (@srmeaswaricivil) and the college website (<http://civil.srmeaswari.ac.in>) are also included. The background features a green landscape with wind turbines and buildings.

### NO. OF PARTICIPANTS: 458

A Technical Quiz was conducted in the Topic of “I SAVE WATER” for higher secondary school students, Polytechnic students, and Engineering students from 05-06-2020 to 12-05-2020 by Student Chapter of Indian Plumbing Association, Department of Civil Engineering, different parts of the country like Tamil Nadu, Karnataka, Andhra Pradesh, Kerala, Maharashtra and west Bengal have participated in the quiz and got benefitted. Out of 437 students 58 students scored 100% and all the students who scored above 50% were awarded with e-certificates as an appreciation.

DATE : 05.06.20 TO 13.06.20

# PHOTOGRAPHY CONTEST STRUCTURE WITH NATURE

**EASWARI ENGINEERING COLLEGE**  
An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY  
RAMAPURAM CHENNAI

**DEPARTMENT OF CIVIL ENGINEERING**

**STRUCTURE WITH NATURE  
(PHOTOGRAPHY CONTEST)**  
*Congratulations!!*

**ARUN AZHAGESAN**  
Thangavelu  
Engineering College

**SOUNDARAPANDIAN R**  
JCAI Arts and  
Science Commerce

<http://civil.srmeaswari.ac.in>

follow us  
f @srmeaswariivil

In department of civil engineering, as part of Professional chapter activity of IE Students' Chapter organized a Photography contest on "Structure with Nature". The contest was scheduled and conducted from 05th - 21th June, 2020. The eligibility criteria is given to school and engineering , polytechnic college students There were two cash prizes of Rs.1000 and Rs.500 for the winner and runner. Around 50 participants have taken the contest

DATE: 09/06/2020 & 10/06/2020

# TWO DAYS ONLINE WORKSHOP ON REVIT ARCHITECTURE

**FREE**

**Register Now**

**E-Certificate will be provided**

**Two Days Online Workshop on Revit Architecture**

**DEPARTMENT OF CIVIL ENGINEERING**

9th & 10th June, 2020

11:00 am to 12:30 pm

PLATFORM: **GOOGLE MEET**

Registration Link: ...earchworkshop

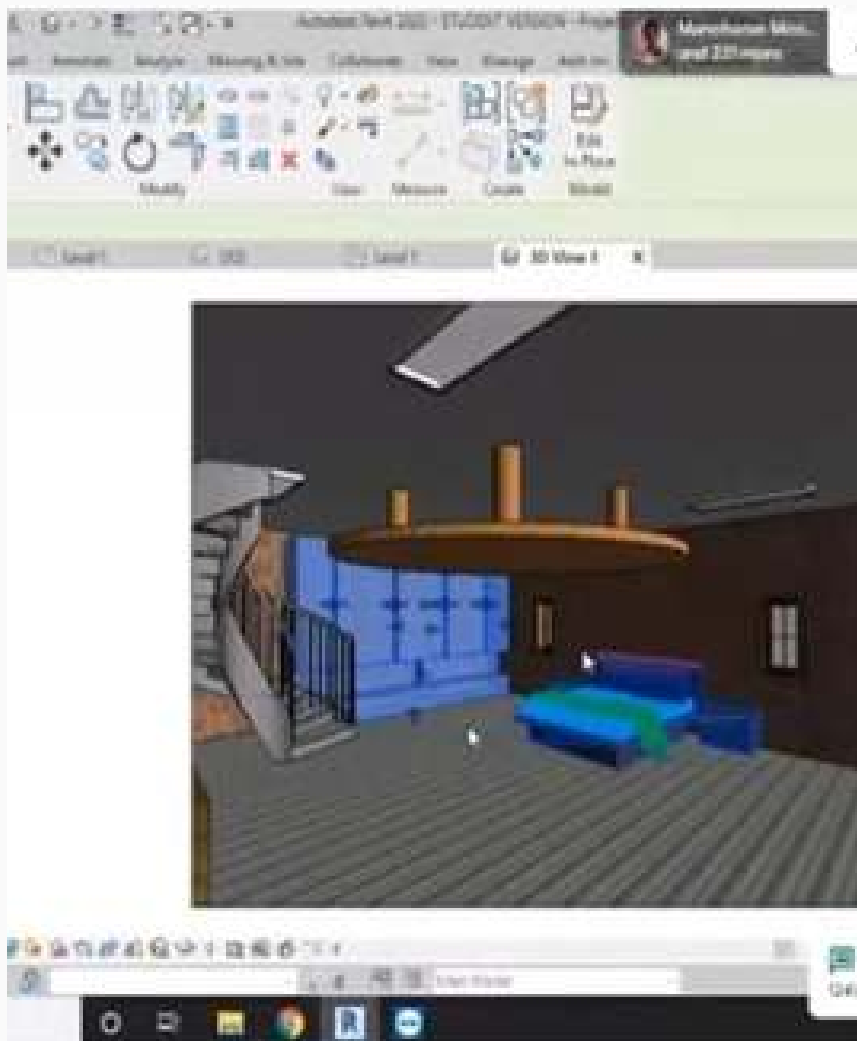
**TWO DAYS ONLINE WORKSHOP ON REVIT ARCHITECTURE** organized by Department of Civil Engineering of Easwari Engineering College (Autonomous) during 09th & 10th June 2020. Around 410 participants (from 14 different states) were participated in this workshop through Google Meet and YouTube live stream

## **DAY – 1; DATE: 09/06/2020**

Online Workshop on Revit Architecture started with formal inauguration in the presence of HOD/Civil and Resource Person was introduced to the participants. Resource person, Mr.S.Bala Sakthivel, (our proud alumni of batch 2017) initially began the workshop with explanation of basic of design and modelling software. A brief introduction on Revit architecture and designing of interior of residential building was also he explained in the Day-1.

## DAY- 2; DATE: 10/06/2020

Online Workshop on Revit Architecture continued with another part of residential building (Exterior) and also about various rendering options. Resource person Mr.S.Bala Sakthivel, explain clearly about the rendering operation using the in the software.



During discussion session, participants cleared the doubts in the usage of software, even about scope and market about technology to be as an entrepreneur. At the end of this discussion, feedback/suggestion was collected from all the participants and E certificate was sent to their mail.



# CAREER GUIDANCE

**EASWARI ENGINEERING COLLEGE**  
AUTONOMOUS COLLEGE  
BARAKURSIAN, CHENNAI

DEPARTMENT OF CIVIL ENGINEERING

Organizes  
**WEBINAR ON**  
**CAREER**  
**GUIDANCE**

**IT'S FREE!**  
REGISTER NOW

**DR. A.R. SANTHAKUMAR**  
Emeritus Professor, IIT Madras  
Former Deat, Civil Engg.,  
Anna University, Chennai

**DR. S. SOMASUNDARAM**  
Media Educationalist

**DR. R.S.KUMAR**  
Principal,  
Easwari Engineering College

**DR. R. MADHU SUDHANAN**  
Dean placement,  
Easwari Engineering College

**CONVENOR**  
Dr.S.Lavanya Prabha  
Head of the Department  
Civil Engineering

**REGISTRATION LINK:**  
<https://bit.ly/2UkfoKH>

**11th June 2020**  
3pm onwards

**CO ORDINATORS**  
Mr.Lenin Dhal /AP/Civil Engg.  
Mr.R.Dinesh Kumar/AP/Civil Engg.

**PLATFORM**  
<http://civil@easwari.ac.in>

Meet <https://meet.google.com/nda-vpqj-zpn>

<https://youtu.be/FpqKclDwNpo>

Follow us on  
f @srmeaswariivil

## GUEST SPEAKERS :

- Dr. A.R. Santhakumar, Emeritus, Professor, IIT-Madras.
- Dr. S. Somasundaram, Media Educationalist.
- Dr. R.S. Kumar, Principal, Easwari Engineering College.
- Dr. R. Madhu Sudhanan, Dean-Placement, Easwari Engineering College.

Career Guidance (especially for School students of 10th, 11th, 12th Standard) organized by Department of Civil Engineering of Easwari Engineering College (Autonomous) on 11th June 2020. Career guidance started with formal inauguration in the presence of HOD/Civil and all our speakers was introduced to the participants.

No. OF PARTICPANTS : 54

DATE: 11.06.2020

# EFFECTIVE WAYS OF PERFORMING RESEARCH IN CIVIL AND CONSTRUCTION ENGINEERING

The poster features the logos of EASWARI ENGINEERING COLLEGE and the DEPARTMENT OF CIVIL ENGINEERING. It announces an ALUMNI TALK ON "EFFECTIVE WAYS OF PERFORMING RESEARCH IN CIVIL AND CONSTRUCTION ENGINEERING". The speaker is Dr. N. Hariharan, an Assistant Professor at the University of Central Missouri, Warrensburg, USA, and a 2011 graduate of EASWARI. The event is organized by the department's convener, Dr. S. Lavanya Prabha, and co-ordinator, Mr. M. Surendar. It is scheduled for 11th June 2020 at 11 AM via a Google Meet link. Social media handles for the department are also provided.

**EASWARI ENGINEERING COLLEGE**  
An Autonomous Institution  
Approved to Affiliates Institutions  
SARASWATHI ENGINEERING

**DEPARTMENT OF CIVIL ENGINEERING**

*Presents*  
**ALUMNI TALK ON**  
**EFFECTIVE WAYS OF PERFORMING RESEARCH IN CIVIL AND CONSTRUCTION ENGINEERING**

**Dr. N. HARIHARAN,**  
ASST. PROFESSOR, UNIVERSITY OF  
CENTRAL MISSOURI, WARRENSBURG, USA  
2011 GRADUATE

**CONVENER:**  
Dr.S.Lavanya Prabha  
Head of the Department  
Civil Engineering  
**CO ORDINATOR**  
Mr.M.Surendar  
Assistant Professor  
Civil Engineering

**Meet**  
meet.google.com/ake-bmve-gjn

**11<sup>th</sup> JUNE 2020**  
**11 AM**

**Follow us**  
f @srmeaswaricivil

<http://civil.srmeaswari.ac.in>

Department of Civil Engineering organized “Alumni Talk” on 11th June 2020 from 11.0am to 12.0pm. the speaker for the alumni was Dr.N.Hariharan (2011 graduate) Assistant Professor, University of Central Missouri, Warrensburg, USA gave a talk on Effective ways of Performing Research in Civil and Construction Engineering. In his presentation he discussed about the selection of research topics in the current scenario and ways to implement it with his own thesis. He also discussed about the opportunities and courses which are offered in US universities. About 56 students from 3rd and 4th year civil engineering students participated in the talk.

DR.N.HARIHARAN  
ASSISTANT  
PROFESSOR,  
UNIVERSITY OF  
CENTRAL  
MISSOURI,  
WARRENSBURG,  
USA

DATE :15.06.2020

# TECHNICAL WEBINAR - INTERNATIONAL SERIES

*EMERGING TRENDS IN CIVIL ENGINEERING*

The poster is for a technical webinar series. At the top left is the EASWARI Engineering College logo, which includes the text 'EASWARI ENGINEERING COLLEGE' and 'ESTABLISHED IN 1984'. At the top right is the logo for the Department of Civil Engineering, featuring a bridge. The main title of the webinar is 'EMERGING TRENDS IN CIVIL ENGINEERING' in a blue box, with the dates '15<sup>th</sup> JUNE 2020 TO 17<sup>th</sup> JUNE 2020' below it. Three speakers are listed with their photos, names, titles, and topics. The first speaker is Dr. Raphael Corrêa Medeiros, a Professor & Environmental Engineer at the Federal University of Santa Maria, Brazil, presenting on 'Household water treatment- Biosand filter'. The second is Dr. Haofei Yu, an Assistant Professor at the University of Central Florida, presenting on 'How human movement impact air pollution exposures'. The third is Bently Stein, Director of Bently Beams Structural Technologies pvt ltd, presenting on 'Prop less Beams saving you time and money'. At the bottom, the convenor is Dr. S. Lavanya Prabha, Professor & Head of Civil, and coordinators are Mrs. M. Jothilakshmi and Mr. S. Dhayachandran. A registration link and social media handles are also provided.

**EASWARI ENGINEERING COLLEGE**  
ESTABLISHED IN 1984

**Department of CIVIL ENGINEERING**

Technical webinar - International Series - 01  
**EMERGING TRENDS IN CIVIL ENGINEERING**  
15<sup>th</sup> JUNE 2020 TO 17<sup>th</sup> JUNE 2020

**15.06.2020 at 7:30 pm IST**  
**Dr. Raphael Corrêa Medeiros**  
Professor & Environmental Engineer, Federal University of Santa Maria  
**Title: Household water treatment- Biosand filter**

**16.06.2020 at 5:00 pm IST**  
**Dr. Haofei Yu**  
Assistant Professor, Environmental Engineering  
University of Central Florida  
**Title: How human movement impact air pollution exposures**

**17.06.2020 at 5:30 pm IST**  
**BENTLY STEIN**  
Director, Bently Beams Structural Technologies pvt ltd  
**Title: Prop less Beams saving you time and money**

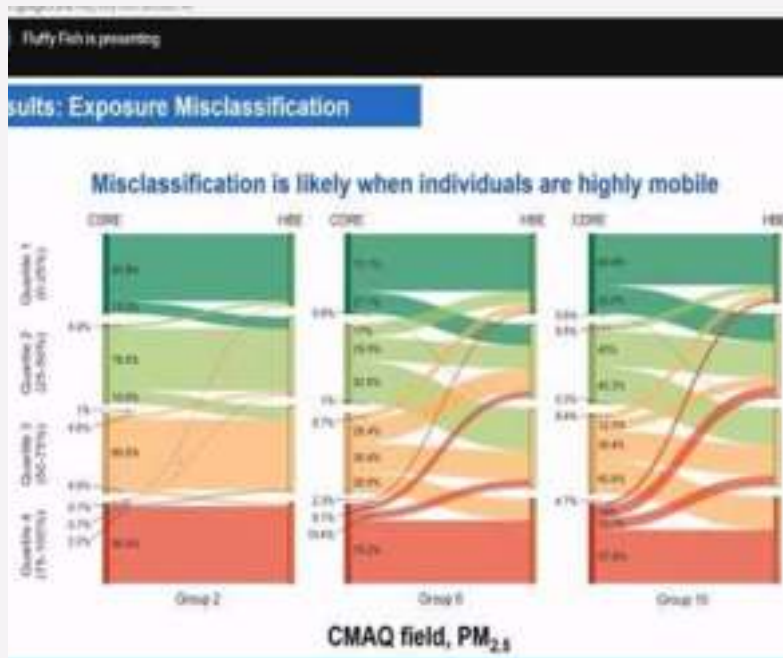
Convenor **Dr.S.Lavanya Prabha** Professor & Head / CIVIL  
Coordinators **Mrs.M.Jothilakshmi**, Asst. Professor  
**Mr.S.Dhayachandran**, Asst. Prof.

Register @ <https://forms.gle/auZ4dda7etooqv49> | /@srmeaswaricivil

Dr. Raphael correa mederios Ph.D., Professor , Federal University of Santa Maria, BraziL, presented lecture for one hour on the topic “HOUSEHOLD WATER TREATMENT – BIOSAND FILTER” in which he explained the water treatment and its construction procedures with new technologies and the presentation contained many photos of self explanatory in nature.

**ER. BENTLY STEIN,  
DIRECTOR, BENTLY BEAMS  
STRUCTURAL  
TECHNOLOGIES PVT. LTD.,  
JOHANNESBERG, SOUTH AFRICA.**

Guest Speaker presented lecture for 45 minutes on the topic “Propless beams saving your time and money” in which he explained the Structural elements, load calculations, strength, approval process and cost efficiency and the presentation contained many photos of self explanatory in nature



**DR. HAOFEI YU  
PH.D., ASSISTANT PROFESSOR ,  
DEPARTMENT OF CIVIL,  
ENVIRONMENTAL AND  
CONSTRUCTION ENGINEERING,  
UNIVERSITY OF CENTRAL FLORIDA,  
U.S.A.**

Guest Speaker presented lecture for one hour on the topic “How Human mobility impact air pollution exposures” in which he explained the air quality modeling, emission estimation, exposure assessment and low-cost air quality sensors and the presentation contained many photos of self explanatory in nature.

DATE: 23/06/2020

# WEBINAR ON IOT APPLICATIONS IN SMART CITY AND CONSTRUCTION INDUSTRY



**EASWARI**  
ENGINEERING COLLEGE  
An AUTONOMOUS Institution  
Affiliated to Anna University  
www.easwari.ac.in  
<http://civil.easwari.ac.in>



LIVE WEBINAR

## IoT APPLICATIONS IN SMART CITY AND CONSTRUCTION INDUSTRY

23<sup>rd</sup> JUNE, 2020 | 11:00AM TO 12:30PM

**Dr. M.N.A. Gulshan Taj**

Associate Professor,  
Department of Civil Engineering,  
Sona College of Technology, Salem

Convenor **Dr.S.Lavanya Prabha**  
Professor & Head / Civil

Coordinator **Mr. R. Dinesh Kumar**  
Assistant Professor / Civil

WEBINAR ON IoT APPLICATIONS IN SMART CITY AND CONSTRUCTION INDUSTRY organized by Department of Civil Engineering of Easwari Engineering College (Autonomous) on 23rd June 2020. Around 483 participants (from 16 different states and one from other country) were participated in this workshop through Google Meet and YouTube live stream. Webinar on IoT applications started with formal inauguration in the presence of HOD/Civil and the speaker was introduced to the participants. Speaker for the webinar, Dr. M.N.A. Gulshan Taj, Associate Professor/Civil Engg., Sona College of Technology, initially began the workshop with explanation of basic of Internet of Things (IoT) and its need. A brief introduction on IoT applications and designing of smart home automation using IoT was also explained.

DATE: 24/06/2020

# PREPARATION TIPS FOR GATE-CIVIL ENGINEERING.



**EASWARI**  
ENGINEERING COLLEGE  
An Autonomous Institution  
Affiliated to Anna University  
CHENNAI



Department of Civil Engineering

LIVE WEBINAR

## ALUMNI TALK ON

**"PREPARATION TIPS FOR GATE - CIVIL ENGINEERING"**



24<sup>th</sup> June, 2020



6 PM to 7 PM

**Easy. Innovative. Informative**



**Mr. P GOPI KRISHNAN**  
M.E Structural Engineering,  
Thiagarajar College of Engineering  
(2018 Batch)

**Coordinators**

**Mr. M. Surendar**  
Asst. Prof. / Civil Engg.  
**Mr. A. Arunraj**  
Asst. Prof. / Civil Engg.

**Convener**

**Dr. S. Lavanya Prabha**  
Prof. & Head / Civil Engg.



<https://meet.google.com/ake-bmve-gjn>

[www.civil.srmeaswari.ac.in](http://www.civil.srmeaswari.ac.in)



[srmeaswaricivil](https://www.instagram.com/srmeaswaricivil)

Department of Civil Engineering organized "Alumni Talk" on 24th June 2020 from 6.0pm to 7.0pm. the speaker for the alumni talk was Mr.P.Gopikrishnan, (2018 graduate) M.E Structural Engineering gave a talk on Preparation tips for gate examination. In his presentation he discussed the importance of GATE Exam and elaborately he explained the topics to be cored and books for preparation. He also explained his experience in taking the GATE exam and its relevance in preparation for IES. About 50 students from 3rd and 4th year civil engineering students participated in the talk

DATE : 29.06.2020

# PERCEPTION LEADS TO PERFECTION OR DECEPTION

**EASWARI ENGINEERING COLLEGE**  
An Affiliated Institution  
OFFICED TO Anna University  
KUSTAN, KANNUR

**Indian Plumbing Association**  
27 Years in Service to the Nation

**CIVIL ENGINEERING**

Webinar on  
**PERCEPTION LEADS TO  
PERFECTION OR DECEPTION?**

**Dr. D. TENSING**  
Director  
Quality Assurance & Accreditations  
Karunya Institute of Science & Technology

Monday  
29<sup>th</sup> June 2020  
11.00 am - 12.30 pm

<https://tinyurl.com/ipawebinar>  
<https://meet.google.com/thf-vims-jhp>

No Registration Fee • E-Certificate will be provided

Convener	Dr. S. Lavanya Prabha, HoD/Civil
Co-ordinators	Mrs. M. Amala, Asst. Prof./Civil

Indian plumbing association of Civil Department of Easwari Engineering College jointly organized a 1 day online webinar on topic "PERCEPTION LEADS TO PERFECTION OR DECEPTION". This session was attended by Students, Faculty members and Industrial persons from Civil, Mechanical and Electrical Departments. The session was started by Dr. S. Lavanya Prabha.HOD/Civil at 11.00 a.m. HOD briefed about the concept of webinar series and welcomed the gathering. Mr.Lokesh, Student Coordinator of the webinar series introduced the speaker Dr.D.Tensing, Director - Quality Assurance and Accreditation, Karunya Institute of Science and Technology, Coimbatore. He presented lecture for one hour on the topic "PERCEPTION LEADS TO PERFECTION OR DECEPTION" in which he explained the importance of Attitude and Perfection for human and how to reduce the stress in mind, he explained about how to improve the skill with perfect manner



**EASWARI**  
ENGINEERING COLLEGE  
An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY  
**RAMAPURAM, CHENNAI**



Technical webinar - International Series - 02

## EMERGING TRENDS IN CIVIL ENGINEERING

30<sup>th</sup> JUNE 2020 TO 02<sup>nd</sup> JULY 2020



30.06.2020 at 02:30 PM IST

Google meet: <https://meet.google.com/mbq-tzhj-osm>  
Youtube: <https://youtu.be/Vh7Vc8Qlibl>

**Dr. PETER DEMIAN, Ph. D.**

Reader, Building Information Management, School of Architecture  
Building & Civil engineering, Loughborough University, England

**Title** Digital Transformation of CIVIL ENGINEERING  
AND CONSTRUCTION

Convenor **Dr.S.Lovanya Prabha**  
Professor & Head / CIVIL

Coordinators **Mrs.M.Jothilakshmi**, Asst. Professor  
**Mr.S.Dhoyachandhran**, Asst. Prof.

Register @ <https://forms.gle/ouZ4ddo7etoqqw49> | / @srmeaswaricivil

TECHNICAL WEBINAR  
INTERNATIONAL SERIES - 02

# EMERGING TRENDS IN CIVIL ENGINEERING

Dr. PETER DEMIAN Ph.D.  
BUILDING INFORMATION MANAGEMENT,  
SCHOOL OF ARCHITECTURE,  
BUILDING AND CIVIL ENGINEERING,  
LOUGHBOROUGH UNIVERSITY,  
ENGLAND

The session was started by Mr. K. S. Dhaya Chandhran Assistant Professor and co-ordinator, at 02.30 p.m. and briefed about the concept of Technical webinar International series and welcomed the gathering. Mr. K. S.Dhaya Chandhran, Coordinator of the webinar series introduced the speaker Dr. PETER DEMIAN Ph.D., Reader, Building Information Management, School of Architecture, Building and Civil Engineering, Loughborough University, England . Our Guest Speaker presented lecture for 50 minutes on the topic “Digital Tranformation in civil engineering and construction” in which he explained the 3D modeilling of building, Information’s of building, Software’s and tools.



# JEWEL CHANGI AIRPORT

Winner Building of the Year 2020



**Location:**  
**Singapore**

---

**Material:**  
**Steel and Glass**

---

**Cost:**  
**S\$1.7 billion**

---

**Size:**  
**3.5 hectares (8.6  
acres)**

---

Jewel Changi Airport is the latest addition to, and centrepiece of, Singapore's world-renowned Changi Airport. Designed by Safdie Architects, this highly anticipated dome-shaped attraction houses a dynamic mix of retail, leisure, garden and hotel amenities, as well as airport operations. The development is open to the public and transit passengers and connects directly with Terminal 1 as well as Terminals 2 and 3 via link bridges.



Its distinctive domed façade is made of glass and steel, and glitters in the sunlight. At the apex of the roof is an oculus through which water is channelled to the building's centre – creating a stunning waterfall feature. This 40m tall Rain Vortex is also the world's largest indoor waterfall and transforms into a light and sound show after dark.

Jewel houses both local and international brands, 11 of which are larger duplex stores at Level 2. Anchor tenants include the largest Nike store in Singapore, the first Apple Store located inside an airport complex, Marks & Spencer, Muji, Zara, Uniqlo, an 11-screen Shaw Theatres IMAX cinema with a seating capacity of 800 and Five Spice, a food court by Food Junction with 19 unique stalls and supermarket chain FairPrice Finest. Jewel also includes American burger chains A&W Restaurants and Shake Shack, Norwegian fast-casual restaurant Pink Fish, Swiss artisanal chocolatier Läderach, Sichuan restaurants Xiao Bin Lou and Yu's Kitchen, Boston-based ice cream parlour chain Emack & Bolio's, British casual eatery Burger & Lobster, Peruvian restaurant TONITO, Japan's Tokyo Milk Cheese Factory and the first permanent Pokémon Centre in East Asia outside of Japan.



**JUNE 2020**

**Hey all**

**Hope you all found this issue of inBlick informative and fun to read. This is all for this month and we promise to come back to you with the same spirit. So, please write to us about how you found this issue. Your valuable suggestions and criticisms are most welcome**

**Email: [lenindhal@eec.srmrmp.edu.in](mailto:lenindhal@eec.srmrmp.edu.in)**